

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Takahisa Miyawaki et al.

Application No.: 10/528,196

Filed: March 17, 2005

For: SEALING COMPOSITION FOR LIQUID  
CRYSTAL DISPLAYS AND PROCESS  
FOR PRODUCTION OF LIQUID  
CRYSTAL DISPLAY PANELS



Group Art Unit: 1733

Examiner: Christopher Schatz

Confirmation No.: 7017

**SECOND REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a copy of the first Request for Corrected Official Filing Receipt filed on September 30, 2005 in the U.S. Patent and Trademark Office.

Issuance of a corrected Official Filing Receipt is respectfully requested.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: September 29, 2006

By:

Robert G. Mukai  
Registration No. 28531

P.O. Box 1404  
Alexandria, VA 22313-1404  
703 836 6620

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

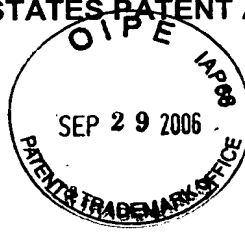
In re Patent Application of

Takahisa MIYAWAKI

Application No.: 10/528,196

Filed: March 17, 2005

For: LIQUID CRYSTAL SEALING AGENT  
COMPOSITION AND MANUFACTURING  
METHOD OF LIQUID CRYSTAL DISPLAY  
PANEL USING THE SAME (as amended)



)  
)  
) Group Art Unit: 2871

)  
) Examiner:

)  
) Confirmation No.: 7017  
)  
)

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a copy of the Official Filing Receipt marked in red to show corrections that are needed.

1. Under **Applicant(s)** The city, prefecture and country of all applicants should appear as --Sodegaura-shi, Chiba, Japan;

2. The listing for **Assignment For Published Patent Application** should read: --MITSUI CHEMICALS, INC., TOKYO, JAPAN AND SHARP KABUSHIKI KAISHA, OSAKA-SHI, OSAKA, JAPAN; and

3. Please set forth the title of the application to read as follows consistent with the title provided on the executed application documents, the application data sheet and the specification:

--LIQUID CRYSTAL SEALING AGENT COMPOSITION AND  
MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY PANEL  
USING THE SAME.--

Issuance of a corrected Official Filing Receipt is respectfully requested.

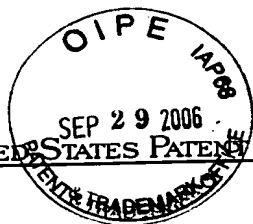
Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: September 30, 2005

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Robert G. Mukai  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/528,196	03/17/2005	2871	1150	000023-062		25	1

CONFIRMATION NO. 7017

21839  
BUCHANAN INGERSOLL PC  
(INCLUDING BURNS, DOANE, SWECKER & MATHIS)  
POST OFFICE BOX 1404  
ALEXANDRIA, VA 22313-1404

## FILING RECEIPT



\*OC000000016932258\*

Date Mailed: 09/15/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

*all applicant addresses need correction*

Takahisa Miyawaki, Chiba, JAPAN;  
Yasushi Mizuta, Chiba, JAPAN;  
Fumito Takeuchi, Chiba, JAPAN;  
Kenji Itou, Chiba, JAPAN;  
Tadashi Kitamura, Chiba, JAPAN;  
Hiroyuki Asakura, Chiba, JAPAN;  
Kenichi yashiro, Sodegaura-shi, JAPAN;  
Kei Nagata, Chiba, JAPAN;

Sodegaura-shi, Chiba, Japan

## Assignment For Published Patent Application

→ MITSUI CHEMICALS, INC. AND SHARP KABUSHIKI KAISHA, OSAKA-SHI, OSAKA, 545-8522, JAPAN  
Tokyo, Japan

000023-062

R6M

Power of Attorney: The patent practitioners associated with Customer Number **21839**.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/11973 09/19/2003

## Foreign Applications

JAPAN 2002-273452 09/19/2002

BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
RECEIVED

SEP 20 2005

9-23-05

DOCKETED

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

Title

Liquid crystal sealing agent composition and manufacturing method  
~~Sealing composition for liquid crystal displays and process for production of liquid crystal display panels~~  
 using the same

Preliminary Class

349

## PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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F 00026502  
SF-9750

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

LIQUID CRYSTAL SEALING AGENT COMPOSITION AND MANUFACTURING METHOD OF  
LIQUID CRYSTAL DISPLAY PANEL USING THE SAME

the specification of which

(check one)

☐ is attached hereto;

☒ was filed on September 19, 2003, as

International Application No. PCT/JP03/11973

And was amended on \_\_\_\_\_;  
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

# COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
JAPAN	2002-273452	19/09/2002	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	R. Danny Huntington	27,903	Gerald F. Swiss	30,113
Robert S. Swecker	19,885	Eric H. Weisblatt	30,505	Michael J. Ure	33,089
Platon N. Mandros	22,124	James W. Peterson	26,057	Charles F. Wieland III	33,096
Benton S. Duffett, Jr.	22,030	Teresa Stanek Rea	30,427	Bruce T. Wieder	33,815
Norman H. Stepno	22,716	Robert E. Krebs	25,885	Todd R. Walters	34,040
Ronald L. Grudziecki	24,970	William C. Rowland	30,888	Ronni S. Jillions	31,979
Frederick G. Michaud, Jr.	26,003	T. Gene Dillahunty	25,423	Harold R. Brown III	36,341
Alan E. Kopecki	25,813	Patrick C. Keane	32,858	Allen R. Baum	36,086
Regis E. Slutter	26,999	Bruce J. Boggs, Jr.	32,344	Steven M. du Bois	35,023
Samuel C. Miller, III	27,360	William H. Benz	25,952	Brian P. O-Shaughnessy	32,747
Robert G. Mukai	28,531	Peter K. Skiff	31,917	Kenneth B. Leffler	36,075
George A. Hovanec, Jr.	28,223	Richard J. McGrath	29,195	Fred W. Hathaway	32,236
James A. LaBarre	28,632	Matthew L. Schneider	32,814		
E. Joseph Gess	28,510	Michael G. Savage	32,596		



21839

and:

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21839

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P.O. Box 1404  
Alexandria, Virginia 22313-1404

Address all telephone calls to: Robert G. Mukai at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Takahisa MIYAWAKI	SIGNATURE <i>Takahisa Miyawaki</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN	CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN		

299-0265

# COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

FULL NAME OF SECOND JOINT INVENTOR, IF ANY Yasushi MIZUTA		SIGNATURE <i>Yasushi Mizuta</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Fumito TAKEUCHI		SIGNATURE <i>Fumito Takeuchi</i>	DATE Jan 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Kenji ITOU		SIGNATURE <i>Kenji Ito</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY Tadashi KITAMURA		SIGNATURE <i>Tadashi Kitamura</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY Hiroyuki ASAKURA		SIGNATURE <i>Hiroyuki Asakura</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY Kenichi YASHIRO		SIGNATURE <i>Kenichi Yashiro</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS c/o MITSUI CHEMICALS, INC. <u>299-0265</u> 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN			



# COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

FULL NAME OF 8th Inventor Kei NAGATA		SIGNATURE <i>Kei Nagata</i>	DATE Jan. 15, 2005
RESIDENCE Sodegaura-shi, Chiba, JAPAN		CITIZENSHIP Japanese	
POST OFFICE ADDRESS C/O MITSUI CHEMICALS, INC. 580-32, Nagaura, Sodegaura-shi, Chiba, JAPAN <u>299-0265</u>			
FULL NAME OF 9th Inventor		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF 10th Inventor		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF 11th Inventor		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF 12th Inventor		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF 13th Inventor		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			